

The 50 MHz DX Bulletin

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The 50 MHz DX Bulletin was founded by Harry Schools KA3B. It is dedicated to the understanding and utilization of long distance propagation in the 6-meter Amateur band. The current editor and publisher is Victor Frank, K6FV. Subscription rates are \$20 U.S. third class mail, \$25 U.S./Canada/Mexico airmail, \$25 by surface and \$30 by airmail elsewhere for 12 issues. Circulation matters and DX reports should be sent to Victor R. Frank, K6FV, 12450 Skyline Blvd., Woodside, CA 94062-4541 USA or to P O Box 762, Menlo Park, CA 94026 USA. My Internet address is frank@sneezy.sri.com. The bulletin may be freely quoted, provided that credit is given.

VE3ASO, SK

Dennis Mungham, VE3ASO/VA3SO, passed away during the night of March 20/21 in his sleep. At 48 years young (or so), this has happened much too early and only serves to remind us all how fragile life can be.

Dennis' ham career began over 35 years ago, when as a 14/15 year old he began "bootlegging" in the Toronto area. At that time, one HAD to be 15 years old to get a ham ticket. When he was caught by the Canadian equivalent of the FCC, he was given a few days only to qualify for his amateur license or his troubles would escalate. He passed the tests!

The VHF's were Dennis' love from the beginning and he became a well known voice on 2 meters in Southern Ontario. From his parent's home in Etobicoke, his 10/10/10 el Yagis were a force to be reckoned with. Few could squeeze as many watts from a pair of 4CX250's as Dennis! He spoke often of the 1966 Leonids meteor storm and looked forward to their return in 1999.

VHF contesting was Dennis' true passion. He broke record after record for the Ontario Section and Canadian Division as a single op, and was a driving force behind the VE3ONT contest group. It was Dennis, in 1992, who initiated contact with the Algonquin Radio Observatory that led to VE3ONT's EME successes on the 150 ft. dish. It is hard to accept the fact that the familiar "Voice of FN25" will no longer be heard on the bands from 50 MHz to 10 GHz.

All of us in the Toronto VHF Society are going to miss him.

73... Peter Shilton VE3AX (ex-VE3VD, VE3EMS)

Egypt on 50 MHz this summer?

The following is a press release from the UKSMG. Further information may be obtained from their web site at www.uksmg.org/egypt.htm

Over the last few weeks the UKSMG has been in communication with Ezzat Ramadan, SU1ER, President of the Radio Amateurs Assembly of the Radio Club of Egypt, in

W6UXN, SK

Roy Brady, W6UXN, always had a BIG signal, as befitted a California guy on ANY band in the late 40s. CQ magazine columns are full of his DXploits, Pacific DX, states worked, etc. Maybe the first west-coaster heard in Europe (by G5BY) in late '47. I haven't gone back through QSTs of that era. . . I see a note in "Beyond Line of Sight" listing his contacts with VS6, HL, and Okinawa in December '82.

I know it was often said in the late 80s as DXCC was becoming a possibility, that Roy probably had 'em worked, but wasn't a paper collector. It might be interesting for someone in the LA area to try to get his logs and see just how many he DID work! Anyhow, here was a guy who was a DXer before 6 was looked at as a DX band.

73... Herb, W3BO (W3IWU)

Radio Amateur Callbook

The printed version of the Radio Amateur Callbook has been discontinued according to a mailing received today. It will be available only via CD-ROM starting with the Spring 1997 edition.

A special "Collectors Edition" of the few remaining 1997 paper versions in inventory will be made available thru distributors.

The end of another era.

73... Carl KM1H

Cairo on the basis of encouraging 6m activity from Egypt this summer.

The UKSMG has sent Ezzat much material explaining all about 6m together with several back issues of Six News including a copy that described the 1994 UKSMG DXpedition to Jordan with the call sign JY7SIX. This information has made Ezzat very keen to come on 6m in the month of June.

It turns out that Ezzat is already in possession of a YAESU FT-690 R II, an FL-6020 10 Watt amplifier, and a Cushcraft A50-3S Yagi antenna. The Group will encourage and / or help Ezzat to obtain a 100 Watt amplifier. Ezzat's house is 140 meters above sea-level, the building is 25 meters high with a Rohn tower 6 meters in height so the total height will be 170 meters above sea level or 30 meters above the ground so there should be a good take-off for 6m.

Ezzat plans to put the antenna up in the next few weeks but we should all remember that there is still band one TV

activity in Egypt and that there is a 48MHz TV transmitter north-west of Cairo so it is not possible to say at this time how much of a problem this will be. We already know how bad it can be from our experience in Jordan in 1994!

The UKSMG will do everything it can to help Ezzat get going on 6m and if successful we can all look forward to working another new country on 6m this summer! To Quote Ezzat, "... so, SU1ER from EGYPT coming to YOU this summer ... Thanks dear Chris , Hope You all the Best Shape. . .
73 be safe , de Ezzat SU1ER"

Chris Gare, G3WOS
Chairman, UK Six Metre Group, March 1997
e-mail: g3wos@uksmg.org

January-March 1997 DX Reports

The following reports of 50 MHz and higher DX propagation are courtesy of G4UPS, GJ4ICD's *Internet Six News* (marked with #), SM7AED's *Six-metre Info*, JA1VOK's columns *World VHF News* in FIVE NINE and *V,UHF DX Topics* in MOBIL HAM, VK3OT, ZL1MQ, K6QXY, and postings on the Internet. Apologies to any sources I may have inadvertently neglected.

The first entry is *mmddhhii*, where *mm* is the month, *dd* is the day of the month, *hh* is the hour UTC, and *ii* is the minutes after the hour. The year is understood to be 1997, unless the month is after 04 (then it is 1996). A + to the right of the time indicates the observation was one of several in a time period and is probably later than the time reported. A ~ indicates approximate time. The grid square of the observing station may occur after a > symbol; however a time after > indicates the opening was still in progress at this time. A t indicates tentative identification of a TV station. Symbols just before the call of the reporting station include: V=Video Carrier, I=Inband video sidebands, F=FM audio, A=Baby room monitor, B=beacon, C=CW, D=Digital, P=Cordless Phone, S=SSB, T=Television, W=mode not mentioned, H=heard only.

Reports of Asia

ASIA, GENERAL

03010300 ASIAN TV 55 > RE66 49.750 V ZL3TIC
03010400 ASIAN TV 53 48.250/.240 V ZL3TIC
03020500 ASIAN TV 49.750/.7502/7506 V VK3OT
03030500 ASIAN TV 49.7480/49.7499 V VK3OT
03030500 ASIAN TV 49.7502/49.7508 V VK3OT
03150555 ASIAN TV VID 49.750 V VK3SIX
03150600 ASIAN TV-0635 48.25/49.750 V VK1RX
03160645 ASIAN TV VID 49.750 V VK3OT
03200530 ASIAN TV -0700 PINGS 49.75 V VK3SIX

CAMBODIA: JA1VOK writes that XU1YY (JA6HOR/1), Yama, may try 6m during a business trip between March 20 and April 12. Further, XU1KY, Kiyoko, may become active on 6m supported by XU1YY's visit.

CHINA

03030630 BY-TV 340° -0700 49.7500 V VK3OT

ISRAEL: G4UPS writes: Another internationally known amateur is now active on the 6m band—Dov Gavish, 4Z4DX, one of the real big buns of the HF and LF bands has recently become active. He hopes to have a good antenna array for the forthcoming summer season. QSL information: Mr. Dov Gavish, 27, Hamitnahalim, Ramat Hasharon, 47203 ISRAEL or via the bureau.

JAPAN

03030555 JA2IGY 319 SCAT B VK3OT
03030600 JA7ZMA 319 SCAT B VK3OT
03150558 JA3EGE CLG CQ 50.110 H VK4JSR
03150600 JA1-4,9-0 -0630 50.150 S VK4JSR

LEBANON: Rami, OD5SB, wrote SM7AED that he will be QRV on 6m from March 1 with 8W and a vertical antenna. If the time permits, Rami will build a beam antenna. QSL directly or via bureau is OK.

RUSSIAN FEDERATION

03150600 UATV 345 QF12 49.750 V VK3SIX

TURKEY: see Ireland re: Dave Court

Reports of Europe

EUROPE GENERAL

02261038 EUR INBAND TV -1220 > IO80 I G4UPS

ALAND IS.

01281957 OH0AB JP90 > JO65 AU SM7FJE

AUSTRIA

02261157 OE6DHE JN77>IO94 50.126 G4OBK#
02261207 OE6TEG 59/59 JN76 S G4UPS

CZECH REPUBLIC

02261139 OK2BFI 599/599 JN89QH C G4UPS

DENMARK: See Ireland re: Dave Court

02272225-OZ7IGY, OZ6VHF AU B SM7VHS#

ENGLAND

01260830 G3CCH IO93 > JO65 MS SM7FJE
01290857 G3CCH IO93 > JO65 MS SM7AED
01300546 G3CCH IO93 > JO65 MS SM7AED
02010857 G3CCH IO93 > JO65 MS SM7AED
02030857 G3CCH IO93 > JO65 MS SM7AED
02060542 G3CCH IO93 > JO65 MS SM7AED
02070856 G3CCH IO93 > JO65 MS SM7AED
02091928 MM0AMW 55A IO75EJ>EO73TG GW0GEI
02092011 MM0AMW 10W 50.115 GW3YDX#
02120856 G3CCH IO93 > JO65 MS SM7AED
02130546 G3CCH & 0856 IO93>JO65 MS SM7AED
02200546 G3CCH & 0856 IO93>JO65 MS SM7AED
02220852 G4UPS IO80 > JO65 MS SM7AED
02231007 G1BKI 41 >JO21JO 50.110 PE1MZS#
02231008 G7IEX 53 CLG M1BKI 50.110 PE1MZS#
02240858 G3CCH IO93 > JO65 MS SM7AED
02261131 G7DWI 59 > JO61 50.117 DD0VF#

ESTONIA

02101620 ES1II KO29 > JO65 AU SM7FJE
02272225-ES0SIX AU B SM7VHS#
02281215 ES5DE 59+ > JO21 50.110 PE1PZS#
02281216 ES5DE 59 > JN18 Es 50.113 F1LGC#

FINLAND

01281803 OH3XA KP20 > JO65 AU SM7FJE
01281821 OH6QR KP22 > JO65 AU SM7FJE
02092245 OH9SIX KP36OI AUE 50.067 B GW3LDH#
02101625 OH1SIX KP11 > JO65 AU B SM7FJE
02272225-OH1SIX AU B SM7VHS#

FRANCE

02261149 F1RG 59++ IN99 50.110 DD0VF#

GERMANY

02261106 DL7FF? H G4UPS

IRELAND: word from G4UPS: OZ3SDL, Dave Court telephoned me from Denmark at the end of February to inform me that he will be leaving Denmark this June/July and he will be starting a tour of duty in the Republic of Ireland. His trip to TA is now in some doubt because of his move! He hopes to

be issued with the callsign EI3SDL, and he hopes to be active very shortly after moving into his new home in Dublin. He is already thinking in terms of being able to provide many of us with some new grid squares!

ITALY

02261207 IW3RMT JN65>IO94 50.150 G4OBK#

NETHERLANDS

02231101 PA0WLB 53 > JO21JO 50.110 PE1MZS#

NORWAY

01281818 LA1BN JO49 > JO65 AU SM7FJE
02190500 LA5SAA JO39 > JO65 MS SM7FJE
02190535 LA5SAA JO39 > JO65 MS SM7AED
02272225 LA1IQ JO59 AU W SM7VHS#
02272225-LA7SIX AU B SM7VHS#

POLAND

02261058 SP6NVN 59/59 & 1115 S G4UPS
02261059 SP6ASD 59/59 JO81LG & 1117 S G4UPS
02261106 SR6SIX 579 B G4UPS
02261123 SP6VWM 57/57 JO81IG MIETEK S G4UPS
02261125 SR6SIX 599 JN81HH 50.027 B F6FLV#
02261130 SP6NVM 55 JO91>JO10 50.112 F1TYV#
02261133 SP6ASP 55 > JO10 50.126 F1TYV#
02271202 SP6ASD 59 JO21>JO81 50.110 PE1PZS#
02281151 SP6ASD 59 > JO21 Es 50.110 PE1PZS#

PORTUGAL

02111055 CS1ADP -1125 > IO91 B G3HBR
02111055 CTOWW -1125 > IO91 B G3HBR

ROMANIA

02261206 YO2IS 579/579 KN05 SZIGY C G4UPS

SCOTLAND

02092049 GB3LER 53A > IO91 50.064 B G3NVO#
02101625 GB3LER IP90 > JO65 AU B SM7FJE
02101827 GM4OBD IO87 > JO65 AU W SM7FJE
02272225-GB3LER AU B SM7VHS#

SLOVENIA

02261215 S57EA JN76>IO94 50.104 G4OBK#

SWEDEN

02090823 SM7FJE 569 H G4UPS
02092003 SMOKAK JO89 > JO56 50.110 OZ5AGJ#
02101625 SK3SIX JP71 > JO65 AU B SM7FJE
02220851 SM7AED 569/559 JO65 > IO80 C G4UPS
02221635 SM3GSK JP81 > JO65 AU W SM7FJE
02230821 SM7AED 569 H G4UPS
02271202 SM7WDS 59 JO21>JO66 50.120 PE1PZS#
02271219 SM7WDS 50.120 DD3DJ#
02272225-SK3SIX AU B SM7VHS#
02281236 SK3SIX Es 50.070 B IW4DQR#

Reports of North America

This month's TV and FM DX reports via Es were submitted by Pat Dyer, WA5IYX, San Antonio, TX and Danny Oglethorpe, Shreveport, LA.

ALASKA

02280500+KL7NO BP54 AUE > DO33 VE6MK
02280530-KL7NO 59+20 AUE > DO05 VE6NM

CANADA

01112015 CBFT 2 PQ 1414 T OGLETHORPE
02280120 VE3 FN04 > EN35IE AU 144 WOLER
02280215 VE6EMU DO33>CN88 45°50.041 B VE7SKA
02280300 VE6NA > DO05 350° AU H VE6NM
02280300 VE7SKA CN96 > DO05 350° AU H VE6NM
02280302 VE6NA DO20>CN88 50°50.125 C VE7SKA
02280455 VE3 > DO33 AUE 50 H VE6MK
02280455-VE6XT > DO33 AU 144 W VE6MK
02280500+VE6NA DO20 > DO33 AU W VE6MK
02280530-VE3, VE4 BCN > DO05 VE6AMB

COSTA RICA

12112354 TI4JHQ 51 tep/es 50.110 S PY5CC

DOMINICAN REP.

02280045 HI0VHF 519 TE 50.008 B PY5CC
12112329 HI0VHF/b 519 tep 50.008 B PY5CC

GRENADA

01130004 J3EOC 529 TE 50.056 B PY5CC
02220120 J3EOC 559 TE 50.056 B PY5CC
02272306 J3EOC 529 TE 50.056 B PY5CC
03092316 J3EOC 519 TE 50.056 B PY5CC
03230150 J3EOC 529 TE 50.056 B PY5CC
11210003 J3EOC/b 539 tep 50.056 C PY5CC
1122321 J3EOC/b 539 tep 50.056 C PY5CC
11230005 J3EOC/b 529 tep 50.056 C PY5CC
11300005 J3EOC/b 519 tep 50.056 C PY5CC
12010049 J3EOC/b 519 tep 50.056 B PY5CC
12032335 J3EOC/b 519 tep 50.056 B PY5CC
12082315 J3EOC/b 529 tep 50.056 B PY5CC
12092321 J3EOC/b 519 tep 50.056 B PY5CC
12110023 J3EOC/b 519 tep 50.056 B PY5CC
12112331 J3EOC/b 549 tep 50.056 B PY5CC

MEXICO

12120010 XE1KK 519 tep/es 50.022 B PY5CC
02060356 XHBC 3 BN Mexicali 1022 T WA5IYX
02272052 XE1KK 59+ F2 50.023 B LW5EJU

PUERTO RICO: Ed, WP4O, is QRV from FK68, 359 feet ASL, currently running an FT736R and 300W PA to a 2 element Quad up 28 feet. He will stay there thru November 1999. #

02272103 KP4EIT 59+ PAPO F2 50.110 S LW5EJU
02272111 KP4O 59+ EDWIN F2 50.110 S LW5EJU
02272115 KP4EIT/MOBIL 54 F2 50.110 S LW5EJU
02272318 KP4SX 519 TE 50.110 C PY5CC
02272331 WP4LUU 55 TE 50.110 S PY5CC
02272330 WP4O 57 TE 50.110 S PY5CC
02272320 WP4O 559 TE 50.110 C PY5CC
03100009 WP4O 559 TE 50.110 C PY5CC

ST KITTS & NEVIS

11210004 V44K 539 tep 50.054 B PY5CC
1122321 V44K 549 tep 50.054 B PY5CC
11230006 V44K 539 tep 50.054 B PY5CC
11300006 V44K 529 tep 50.054 B PY5CC
12010026 V44K 519 tep 50.054 B PY5CC
12032320 V44K 529 tep 50.054 B PY5CC
12082315 V44K 519 tep 50.054 B PY5CC
12092319 V44K 529 tep 50.054 B PY5CC
12110023 V44K 519 tep 50.054 B PY5CC
12112330 V44K 559 tep 50.054 B PY5CC
12250015 V44K 53 TE 50.055 B LW5EJU
12260000 V44K 52 TE 50.055 B LW5EJU
01130004 V44K 549 TE 50.054 B PY5CC
02220025 V44K 549 TE 50.054 B PY5CC
02230150 V44K 529 TE 50.054 B PY5CC
02272053 V44K 59+ F2 50.055 B LW5EJU
02272306 V44K 529 TE 50.054 B PY5CC
03092315 V44K 579 TE 50.054 B PY5CC

ST LUCIA

11210001 J68AS 59+ tep 50.110 S PY5CC
11210019 J68AS 599 tep 50.110 C PY5CC

United States, W2-3

01112002 WGRZ 2 NY 1091 T OGLETHORPE
01120045 WMAR 2 MD 1072 T OGLETHORPE
02272325 AA2WV FN13 > FM29KX AU W K3GNC
02272231 W2DRZ AURORA
03020145 K2ZD 559 > FN41 RI 50.070 B K1IKN

United States, W4-5

01120115 WCBF 2 SC 805 T OGLETHORPE
01120115 WUND 2 NC 1031 T OGLETHORPE
01120142 WUNC 4 NC //WUND 875 T OGLETHORPE
01120159 WFMY 2 NC 838 T OGLETHORPE
01120250 WSJK 2 TN 665 T OGLETHORPE

01120357 WSB 2 GA 551 T OGLETHORPE
01120401 WSAZ 3 WV Huntington 1123 T WA5IYX
02272300+W4 AURORA > FN31MP 144 WZ1V

United States, W7

12112350 WA7JTM 51 tep/es 50.110 S PY5CC
12112354 K7CA NV 52 tep/es 50.110 S PY5CC
12112354 W7RV 51 tep/es 50.110 S PY5CC
12112354 WB7OHF 51 tep/es 50.110 S PY5CC
02280230 W7HAH DN26 > CN96 B KB7UWC
02280413 W7HAH DN28>CN88 60°50.062 B VE7SKA

United States, W8-9-0

01120328 WDTN 2 OH Dayton 1076 T WA5IYX
02280030 W9A? WEAK > EM84XP AU 144 H N4UK
02272300+KDOPY EN41 940 MI AU 144 W WZ1V
02272300+W8 AU > 0030 > FN31 144 WZ1V
02272300+W9 AU > 0030 > BN31 144 WZ1V
02272330 WQOP AURORA > EM19 144
02280000 WB8AUK AURORA > OHIO

Reports of Oceania

American Samoa

03010300 KVZK 2 AM.SAMOA 55 59.75 F ZL3TIC
03010300 KVZK 2 AM.SAMOA 59 55.25 V ZL3TIC

AUSTRALIA General

02230200 VK-TV0 -0640 46.24/51.74 V ZL3TY
02240640 VK-TV 190 Peak 59+ 46.17 V JH4JPO
02250425 VK-TV0 -0920 46.17/46.24 V ZL3TY
02250425 VK-TV0 -0920 > RE57 51.74 F ZL3TY
02260425 VK-TV0 56.17/51.67 V ZL3TY
02260600 VK-TV 180 59++ 46.170 V JH0MHE
02270330 VK-TV0 59++ 46.172 V VK3SIX/OT
02270330 VK-TV0 59++ 51.915 F VK3SIX/OT
03010300 VK-TV0 53 BS N >RE66 46.17 V ZL3TIC
03022350 VK-TV0 59 46.17 V ZL3TY
03030000 VK-TV0 SCAT ALL DAY 46.17 V VK3OT
03150600 VK TV0 46.172 V JA1RJU
03160600 VK TV0 46.172 V JA1VOK

AUSTRALIA—New South Wales—VK2

02270315 VK2RHV Hunter Valley 52.325 B VK3SIX/OT
02270315 VK2RSY 519 SCATTER 52.420 B VK3SIX/OT
02270330 VK2-TV0 559 Tamworth 46.261 V VK3SIX/OT
02270430 VK2BHO CQ onC 50.110 H VK3SIX/OT
03020549 VK2 ch0 >QM05 46.24 V JA1VOK
03050700 VK2 ch0 >PM85 46.24 V JE2DWZ
03150403 VK2 ch0 >QM05 46.24 V JA1VOK

AUSTRALIA—Victoria—VK3

02270315 VK3CWJ 59+ 50.130 VK3
02270315 VK3YDE 50.110 VK3SIX/OT

AUSTRALIA—Queensland—VK4

03150430 TVQ-0 S7 46.170 V JA3EGE
03150500 TVQ-0 175 46.170 V JA3EGE
02240500 VK4 ch0 >PM95 46.17 V JH1WHS
02250425+VK4GPS, VK4DLA 50.13 W ZL3TY
02260425+VK4FNQ > RE57 H ZL3TY
02270100 VK4 TV strong Brisbane 2hrs 46.17 V VK3SIX/OT
02270315 VK4CWJ 50.110 VK3SIX/OT
02270315 VK4GPS 59+ 50.170 VK3
02270315 VK4RGG 50.058 VK3SIX/OT
02270430 VK4RGG >0500 50.058 B VK3SIX/OT
03010730 VK4 ch0 >QM05 -0845 46.17 V JA1VOK
03010800 VK4 ch0 >PM75 46.17 V JA3JTG
03020330 VK4 ch0 >QM05 -0630 46.17 V JA1VOK
03020430+VK4JH, VK4BKM, VK4FQN -0530 JH0HME
03020432 VK4JH >PM95 50.110 S JH1WHS
03020435 VK4BKM 180 Good Sig 50.160 JA1RJU
03020436 VK4BKM >QM05 50.160 S JA1VOK
03020440 VK4FNQ 180 50.180 JA1RJU
03020442 VK4FNQ >QM05 50.180 S JA1VOK
03020445 VK4FNQ >PM75 50.180 S JA3JTG
03020445 VK4JH 180 50.120 JM1KNQ
03020449 VK4BRG >QM05 50.0775 B JA1VOK
03020450 VK4BKM >PM95 50.160 S JH1WHS
03020455 VK4FNQ >PM95 50.180 S JH1WHS
03020503 VK4JH >QM05 50.105 S JA1VOK

03020503 VK4TTL >PM63 50.125 S JA5CMO
03020504 VK4BKM >PM53 50.160 S JA6TEW
03020504 VK4BKM >PM75 50.160 S JA3JTG
03020507 VK4TTL >PM53 50.125 S JA6TEW
03020510 VK4JH >PM63 50.109 S JA5CMO
03020516 VK4WDM >PM53 50.130 S JA6TEW
03020524 VK4BKM >PM63 50.110 S JA5CMO
03020525 VK4FNQ >PM53 50.180 S JA6TEW
03020606 VK4JH >PM53 50.110 S JA6TEW
03022350 VK4RGG 529 B ZL3TY
03022350-VK4/VK2FZ W ZL3TY
03030510 VK4TTL >PM85 50.110 S JE2DWZ
03030513 VK4TTL 180 QH23 59+ 50.125 JA1RJU
03040624 VK4TTL >PM85 50.110 S JE2DWZ
03040626 VK4TTL 180 RS59 50.110 JA1RJU
03090440 VK4 ch0 >PM75 46.17 V JA3JTG
03130700 VK4 ch0 >PM95 46.17 V JH1WHS
03150353 VK4 ch0 >QM05 -0745 46.17 V JA1VOK
03150500 VK4 Video V JA1-3
03150519 VK4JH 57 50.120 S JA3EGE
03150524 VK4JH >PM75 50.110 S JA3JTG
03150527 VK4JH >PM63 50.120 S JA5CMO
03150530 VK4AR, EK, GM, DMI, JSR -0630 W JA1-6/0
03150530 VK4BRG >PM75 50.0775 B JA3JTG
03150530 VK4RGG >PM75 50.058 B JA3JTG
03150535 VK4JH >PM53 50.110 H JA6TEW/M
03150539 VK4WDM 43 50.119 S JA3EGE
03150540 VK4JH QH30 >PM64 50.110 S JH4JPO
03150545 VK4AR 55 50.179 S JA3EGE
03150545 VK4JH >QM05 50.130 JA1VOK
03150557 VK4JSR 59 50.112 S JA3EGE
03150600 VK4JSR 180 59++ 50.150 W JA1RJU
03150601 VK4AR >PM75 50.180 S JA3JTG
03150601 VK4GM >QM05 50.130 JA1VOK
03150603 VK4DMI >QM05 50.110 S JA1VOK
03150603 VK4GM 59 50.121 S JA3EGE
03150604 VK4AR >PM95 50.180 S JH1WHS
03150605 VK4DMI 180 50.133 W JA1RJU
03150607 VK4JSR >QM05 50.150 S JA1VOK
03150612 VK4JSR >PM75 50.150 S JA3JTG
03151440 VK4JH 50.115 JH4JPO
03160430 VK4 ch0>QM05 -0720 46.17 V JA1VOK
03160529 VK4BKM 180 50.130 JA1RJU
03160538 VK4BKM >QM05 50.130 S JA1VOK
03160544 VK4JH 180 50.114 JA1RJU
03160600 VK4JH H JA1VOK
03200314 VK4 ch0>QM05 -0400 46.17 V JA1VOK

West AUSTRALIA—VK6

03150530+VK6YBQ OG86 -0630 W JA1-6/0
03150607 VK6YBQ 200 50.120 W JA1RJU
03150610 VK6YBQ OG86>QM05 50.120 H JA1VOK
03150611 VK6YBQ 59 50.119 S JA3EGE

AUSTRALIA—Tasmania—VK7

02270315 VK7RAE 50.057 B VK4GPS
02270315 VK7RST 52.370 B VK4GPS

AUSTRALIA—Northern Territory—VK8

03150530 VK8RAS >PM75 50.0465 B JA3JTG
03150550 VK8RAS >PM64 50.0465 B JH4JPO
03150600 VK8RAS 539-599 -0700 B JA1VOK
03150630 VK8RAS 190 PG66 50.047 B JA1RJU
03150630 VK8RAS >QM05 -0700 50.0465 B JA1VOK

Chatham Islands: Lothar, DJ4ZB, was QRV as ZL7ZB between February 4 and March 13. He works SSB only on 80 through 6 meters. QSL to home call (ARRL DX News #10 via SM7AED). Did anyone work him on 6m?

Hawaiian Islands

03021055 KHON 2 HI -1255 55.26 V ZK1AA
03021055+KGMV 3 HI WAILUKU 61.25 V ZK1AA
03021055+KITV 4 HI HONOLULU 67.24 V ZK1AA
03021055+KH6HME HI B ZK1AA
03140646 KHON 2 HI -0746 55.26 V ZK1AA
03210803 KHON 2 HI -0953 55.26 V ZK1AA
03210830 KGMV 3 HI WAILUKU 61.25 V ZK1AA
03210830 KITV 4 HI HONOLULU 67.24 V ZK1AA
03210830 KFVE 5 HI HONOLULU 77.25 V ZK1AA
03230825 KHON 2 HI -0955 WK 55.26 V ZK1AA

NEW ZEALAND

02270330 ZL-TV1 F2BSNE 45.2496/2500 V VK3SIX/OT
 03010450 ZL chl >QM05 45.24 V JA1VOK
 03020407 ZL chl >QM05 45.25 V JA1VOK
 03020530 ZL TV1 -0630 50.750/50.76 F JA5CMO
 03020530 ZL TV1 >PM63 -0630 50.74 F JA5CMO
 03020551 ZL chl >QM05 45.26 V JA1VOK

Reports of South America

ARGENTINA

11292350 LW5EJU 52 es 50.110 S PY5CC
 11292355 LU3EMK 53 es 50.110 S PY5CC
 11292356 LU8EWD 51 es 50.110 S PY5CC
 11292357 LU8DIO 51 es 50.110 S PY5CC
 12011300 LU4EMK 59 HORACIO tr .110 S LW5EJU
 12011305 LU8DNY 55 JOSEMARIA tr.110 S LW5EJU
 12012207 LU8DNY 59 LA PLATA tr .110 S LW5EJU
 12022335 LU6WN 59+ RAFAEL Es .110 S LW5EJU
 12031633 LU3EMK 53 HORACIO tr .110 S LW5EJU
 12032315 LU6WN 59 RAFAEL Es 50.110 S LW5EJU
 12052029 LU6WN 59+ FE44HJ Es .110 S LW5EJU
 12061534 LW9EQI 59 JAVIER GW 50.110 S LW5EJU
 12062034 LU5JAU 53 DANIEL BS 50.110 S LW5EJU
 12062035 LU9EHF 51 BACKSCAT. 50.016 B LW5EJU
 12110035 LU9EHF 519 es 50.015 B PY5CC
 12110110 LU1DMA 51 Luis es 50.110 S PY5CC
 12110110 LU3EMK 51 Horacio es 50.110 S PY5CC
 12131940 LU4DFZ 57 HECTOR GW 50.110 S LW5EJU
 12132004 LW7DWW 59+ JUAN GW 51.500 F LW5EJU
 12192120 LU6WN 59+ FAFEL Es 50.110 H LW5EJU
 12270123 LU9EHF 59+ LINCOLNtr 50.016 B LW5EJU
 01012330 LU7MEC 52 Es 50.110 H LW5EJU
 01012330 LU9MA 53 Es 50.110 H LW5EJU
 01022336 LU6WN 58 Es RAFAEL 50.110 S LW5EJU
 01052253 LW3EQI 59 JAVIER GW 50.110 S LW5EJU
 01052300 LU3YYZ 59 GUSTAVO Es 51.500 F LW5EJU
 01052345 LU3YA 57 VICTOR Es 50.110 S LW5EJU
 01062224 LU6WN 57 RAFAEL Es 50.110 S LW5EJU
 01062332 LU5JAU 51 DANIEL tr 50.110 S LW5EJU
 01111545 LU1DMA 59+ LUIS GW 50.110 S LW5EJU
 01111558 LU8DIO 59+ EDUARDO 50.110 S LW5EJU
 01111750 LU3EMK 59 HORACIO GW .110 S LW5EJU
 01112343 LU3CM 59 HECTOR GW 50.110 S LW5EJU
 01181542 LU5JAU 51 DANIEL tr 50.110 S LW5EJU
 01182109 LU8MBL 52 GERARDO 50.110 S LW5EJU
 01182150 LU8YYO 53 Es 50.033 B LW5EJU
 01182230 LU7VB 53 MARIO Es 50.105 S LW5EJU
 01252355 LW1DQG 57 JOSE GW 51.500 F LW5EJU
 01260015 LU3AHO 59 EDUARDO GW 51.500 F LW5EJU
 01291633 LU8YYO 59 Es 50.033 B LW5EJU
 01181951 LW5EJU 55 ES 50.110 S PY5CC
 02021350 LU8ANS 59 GW 53.190 F LW5EJU
 02021402 LU7DIV 57 51.365 F LW5EJU
 02131452 LU5JAU 59 DANIEL TR 50.110 S LW5EJU
 02272232 LU 59+ > FK68 W WP40
 03022200 LU9EHF 579 -2205 50.014 B WP40
 03022320 LU5EJU > FK68 50.110 H WP40

BRAZIL

12062230 PY2CDS WKG LU3EMK 50.110 H LW5EJU
 12110055 PY2AA 519 es 50.059 B PY5CC
 12120013 PY9MP 55 es 50.110 S PY5CC
 12202045 PY2AA 52 Es 50.059 B LW5EJU
 12202216 PY3PT 57 GF49JX tr 50.110 S LW5EJU
 12202218 PU3YXH 52 GF49 tr 50.110 S LW5EJU
 12222254 PY2AA 57 50.059 B LW5EJU
 12251943 PY2AA 57 Es 50.059 B LW5EJU
 12251946 PY5CC 59 Es 50.110 S LW5EJU
 12251958 PY2SFY 57 Es 50.010 B LW5EJU
 12281300 PY2AA 59 Es -1430 50.059 B LW5EJU
 01051937 PY2SFY 59 WILSON Es 50.110 S LW5EJU
 01051938 PY2DNR 53 MAURO Es 50.110 S LW5EJU
 01181924 PU3WPA 59 GF49JX tr 50.110 S LW5EJU
 01181928 PP5AW 57 MARIO Es 50.120 S LW5EJU
 01181929 PY2AA 59 50.059 B LW5EJU
 01181929 PY2SFY 59 50.010 B LW5EJU
 01181940 PY2JQ 53 ZEMEV Es 52.910 F LW5EJU
 01181954 PY5CC 55 PITER Es 50.110 S LW5EJU
 01251700 PY rpt S PABLO Es 52.910 F LW5EJU
 01251700 PY2AA 59 Es 50.059 B LW5EJU
 01251715 PY2DNR 59 MAURO Es 50.110 S LW5EJU

01251715 PY2SFY 59+ Es 50.110 S LW5EJU
 01271650 PY2AA 59+ Es 50.059 B LW5EJU
 01271700 PU2TIF 59+ S.P. Es 52.910 F LW5EJU
 02280024 PY5CC 589 > FK68 W WP40
 03160015 PY WEAK TE > FK68 WP40

CHILE

12051720 CE 59+ MUSIC 47.900 A LW5EJU
 12102059 CE 59+ MUSIC 47.900 A LW5EJU
 12191815 CE 59+ MUSIC -2312 47.900 A LW5EJU
 12211918 CE 59+ MUSIC -2318 47.900 A LW5EJU
 12221530 CE 59+ MUSIC -1830 47.900 A LW5EJU
 01012330 CE 59 MUSIC 47.900 A LW5EJU
 01052120 CE3GDN 53 Es 50.115 S LW5EJU
 01181956 CE 59+ MUSIC -2400 47.900 A LW5EJU

CURACAO Netherland Antilles

11222337 PJ2SIX 519 tep 50.003 B PY5CC
 12062400 PJ2SIX 57 TE 50.004 B LW5EJU

URUGUAY

12011351 CX3ET 51 SAN JOSE tr .110 S LW5EJU
 12012200 CX1AO 51 MONTEVIDEO .110 S LW5EJU
 12012235 CX7BBR 51 RUBEN tr 50.110 S LW5EJU
 12031632 CX3ET 51 JUAN CARLOS tr S LW5EJU
 12031635 CX9DK 51 FERMIN tr 50.110 S LW5EJU
 12062035 CX1CCC 52 BACKSCAT. 50.020 B LW5EJU
 12062050 CX1AO 51 ANTONIO BS .110 S LW5EJU
 12062052 CX9DK 51 BACKSCAT. 50.110 S LW5EJU
 12110022 CX1CCC 539 es 50.019 B PY5CC
 12110037 CX4AAJ 51 es 50.110 S PY5CC
 12131952 CV0Z 51 FLORES tr 50.110 S LW5EJU
 12270134 CX1AO 53 ANTONIO tr 50.110 S LW5EJU
 12270145 CX9AF 51 HEBER tr 50.110 S LW5EJU
 01100055 CX1AO 58 ANTONIO tr 50.110 S LW5EJU
 01101837 CX9AF 57 HEBER tr 50.110 S LW5EJU
 01111751 CX9AF 57 tr 50.110 S LW5EJU
 01112007 CV5A & 2230 (CX3AT) tr S LW5EJU
 01121245 CV5A 59 LALO tr 50.110 S LW5EJU
 01131732 CV5A 59 (CX6ACI) tr 50.110 S LW5EJU
 02131452 CX3IN 51 CARLOS TR 50.110 S LW5EJU
 02131500 CX2IY 51 TR 50.110 S LW5EJU
 02272232 CX 59+ > FK68 W WP40

VENEZUELA

11222338 YV4AB 419 tep 50.025 B PY5CC
 11300020 YV4AB 519 tep 50.025 B PY5CC
 11300025 YV4GLD 53 FK60 tep 50.110 S PY5CC
 12010025 YV4GLD 51 Jose Luiz 50.110 S PY5CC
 12010050 YV4AB 529 tep 50.025 B PY5CC
 12010101 YV4GLD 59 JOSE LUIS 50.115 S LW5EJU
 12032337 YV4AB 519 tep 50.025 B PY5CC
 12092317 YV4AB 519 tep 50.025 B PY5CC
 12110045 YV4AB 529 tep 50.025 B PY5CC
 12112330 YV4AB 599 tep 50.025 B PY5CC
 12210120 YV4AB 57 TE 50.025 B LW5EJU
 12220030 YV4AB 55 TE 50.025 B LW5EJU
 12230046 YV4AB 57 TE 50.025 B LW5EJU
 12240000 YV4AB 59 TE 50.025 B LW5EJU
 12240010 YV4FZM 59 ALEJANDRO 50.110 H LW5EJU
 12250015 YV4AB 59 TE 50.025 B LW5EJU
 12260000 YV4AB 57 TE 50.050 B LW5EJU
 01130007 YV4AB 519 TE 50.025 B PY5CC
 02220041 YV4AB 559 TE 50.025 B PY5CC
 02272345 YV4AB 57 TE 50.025 B LW5EJU
 02280030 YV4AB 529 TE 50.025 B PY5CC

Errata

Last month we listed K1IKN under call letter changes to W1VHF. John advised us that only the beacon call has changed to W1VHF. He still is using the call K1IKN for his home station.

Last month on page 1 under Saudi Arabia we indicated that 7Z5II was an experimental educational amateur radio station . . . that was a typing error, the call is 7Z5OO.

QSL News

LA5SAA: Michael Theiss, N-4120 Tau, NORWAY

OD5SB, OD5RAK, Rami Finge, P O Box 22, Tripoli, LEBANON (SMTP:od5sb@inco-tr.com.lb) (Packet: od5sb@od5rak.lbn.mdle) tel +961 3 22 86 73

CO2KK: I have received the following letter from Joe Schroeder, W9JUV:

Please publish my disclaimer for any further responsibility as CO2KK's QSL manager. Though for several years Arnie did make an effort to help me turn around the many cards that I received for him, I've heard nothing from Arnie for a couple of years even though he keeps telling people he works that W9JUV is his manager. He has never supplied me with logs; all QSOs I have been able to confirm came from asking him for contact-by-contact confirmation data during lengthy QSOs we used to have on 10 meters when it was open.

I now have several shoe boxes full of cards and SASEs for CO2KK; when and if Arnie sends me some logs or makes an effort to set up schedules on any band, 160 up, I will get this backlog out as quickly as I can. Until then, anyone working Arnie please save your money by not sending me your cards, or calling me long distance to find out why your CO2KK QSL didn't come back by return mail!

I don't understand why Arnie believes I can confirm his contacts without any help from him. I'd greatly appreciate anyone who does work CO2KK telling Arnie to either stop naming me as QSL manager or start sending me log data so I can in fact be his manager. I have unanswered cards for his QSOs dating from 1990 to a few weeks ago!

73,

Joe Schroeder, W9JUV
Box 406, Glenview, IL 60025

Beacon News

KW2T: 6m beacon is gone from FN13. Dan moved to WV at the end of December and took it with him.

W2RTB: beacons were still on the air March 4, despite Bob's death sometime last Fall. "I believe K2SPO is maintaining them. For how long this situation will remain is unknown to me, but at the very least, I'm sure the callsign will change. Worst case, they'll go away. --- Dave K2HDH (ex KD5RO)

JD1ADP: in QL17 is now running on 50.013 with 0.1 W and 5/8 λ GP.

J3EOC: in Grenada, FK92, is on 50.0565 MHz with 1.6W and a Halo.

IS0SIX: in Italy is an experimental beacon on 50.1635 operating only from 1230-1730 and 1930-2330Z.

ZS6TWB: in South Africa on 50.044 is QRT due to vandals damaging the antenna, which will be repaired as soon as possible.

KH6HI: in BL01 is back on 50.065 with 50W into a Halo antenna.

RTTY on 50.600 MHz

Don, GW0PLP, in Aberporth, IO72RC, is active on 6 mtrs and would be interested to find some stations to work on RTTY

or even Factor if there are any about. He intends to give it a go and will call CQ on the above frequency when the band is open. His station will be an Icom 706 using around 80W on RTTY with a KAM Multimode Ver 8 upgrade. For more info please write to GW0PLP@GB7BAY.#55.gbe.eu. ---SM7AED

Call for papers

Western State Weak Signal Society

This is the final call for speakers for the 1997 Western States Weak Signal Society Conference. The conference will be held 3-5 October 1997 near Fresno, CA. We are looking for a couple more speakers and non-presented technical papers. The deadline for manuscripts to be published in the proceedings is May 30, 1997. If you are interested in speaking or offering a paper, please send me a message at: wswss@contesting.com. Further information about the conference is available from the WSWSS Conference website.

Robert N7STU/YB2ARO, DM07aa/OI52ee n7stu@psnw.com

Radio Noise from Auroras?

My experiences are confined to only several hundred aurora contacts with 99% being on 2 meter CW and the rare one on SSB. During a rather intense aurora on November 8, 1991, I was surprised by an unusual phenomenon. While receiving rather strong aurora propagated signals at the near S9 level, I heard a few seconds of what sounded like extremely strong precipitation static. Very staccato, sharp static sounds, almost metallic in their nature. During this short interval of around five seconds duration, the strength of the static-like signal crescendo(ed) from below the noise level to 60 dB over S9 and back down to the noise level. As I mentioned, all in the course of about five seconds.

I should note that the static had absolutely no resemblance to 60 Hz power line interference.

The phenomenon repeated itself about two hours later, but at slightly reduced signal strength. My thoughts at the time were that I had experienced movement of the auroral curtain directly through my antenna. As if it (and probably me) had been bombarded by streams of charged particles as the curtain moved further to the south.

I should mention that the QTH was, at the time FN02ic at about 42° latitude. I frankly do not know if the curtain extends this far south from time to time. I would appreciate comments from others who may have experienced similar occurrences.

R. Hagle, N2JH (formerly AA2GV and WA2XSH).

I have heard the same thing many times. I have usually operated in Oregon. Usually I hear the large "cracking noises" before the onset of the aurora opening. Quite loud at times.

Dan, WA7TDZ CN92

I experienced similar effects when I was located in Duluth, MN at 46.8 N 92 W, and I knew for a fact that the auroral 'curtain' as seen by stations to the south had indeed gone south of me. On rare occasions (when this happened), if there were any other stations on the air 'inside the aurora' with me, we could frequently converse on T9 SSB over much enhanced distances, but we had a helluva time trying to work any of the folks south of us (on the 'other' side of the curtain).

We could hear **them**, but **they** were hearing much louder "Southies" being reflected off the south face of the 'curtain', whereas **we** were coming **thru** it, and being attenuated in the process.

I don't recall ever hearing the exact same noise as you {N2JH} mentioned, but I've heard another one **many, many** times which seems to somehow be associated with aurora—while pointing generally NW from EN36, I would occasionally hear a rather ghostly and slow "Chooooo...chooooo...choooo" sound. Rather soft, but definitely there; sorta like the 'normal' noise was being elevated by maybe 5 - 10 dB. Sometimes, an aurora would start within minutes to hours, but just as often, you'd see nothing more occur. The ChooChoo might last for minutes to hours, but intensity didn't seem to change much. Other stations in the general area heard the same effect in generally the same direction.

Because of the way the 'auroral oval' is usually depicted, you can see that Duluth is in a rather unusual location relative to the oval. I wondered if what we were hearing was the result of deviations in the 'ring' current generated by an aurora then progress on the 'other' side of the earth.

Another thing I used to wonder about—the "best" radio aurora hardly ever coincided with the 'best' visual aurora. I had seen many occasions when a spectacular visual was occurring, and almost no radio effect was seen.

I used a 24 hr/day monitor which looked at TV Ch 2 video carrier—this monitor consisted of a half-wave dipole oriented toward NNE, a 55.25 converter to an FRG7 receiver. Off the AGC output of the FRG7, I had a homebrew SLIM—Signal Level Integrating Monitor.

SLIM constantly monitored the signal levels—to discriminate against airplanes (which would otherwise create false alarms), the signal had to exceed an adjustable threshold for at least five minutes continuously—when it **did**, SLIM sounded a 30 second beep... beep alarm at about 95 dB—it then stepped an **event** counter.

Needless to say, when I was on the premises, I never failed to be aware that **some** sort of enhancement was going on! It was great to run the audio at a very low level across the room when I was working at the bench—the 'meteor music' was very entertaining!

Many, many times, I have actually heard a 2 - 3 second meteor 'ping' **begin** as T9, and halfway (or more) through, **change** to a 'Whuuusshhh' sound as the Radio **Aurora started full blast!** I don't usually mention this, but I firmly believe that there is always the **one** drop of water that causes the bucket to **overflow**—and in these cases, the extra energy imparted by that 'one more meteor' was the trigger for the aurora to begin! No kidding, over the 22 years I lived in Duluth, I'll bet I heard that happen several **hundred** times!

Ron, K3PN (W0PN)

Eimac Sells Off Glass-Tube Division

According to Reid Brandon, W6MTF, Eimac (now a division of Communications & Power Industries, Inc.) no longer is manufacturing glass tube products. The equipment, designs and supplies to make these devices has been sold to Triton Services, Inc. of Pennsylvania. Also noted is the closure of Eimac's Salt Lake City, Utah plant. If your transmitter uses a 3-500Z, a 4-400C or any other internal anode glass

tube, contact Triton at 610-252-7331 (FAX 610-258-6279) to see if they are making it. Glass chimney and socket products are now made at Triton as well. Conspicuously absent from the list are 6146, 572B, and 4-1000As.

CPI Eimac also has a tube rebuilding plan. Ceramic external anode power grid triodes and tetrodes are rebuilt to factory spec by Eimac in their own facilities. The plan is administered by Richardson Electronics, who stocks a number of rebuilt tubes for immediate delivery.

73, Chris, WB5ITT

RF Exposure Limits?

In view of the Maximum Permissible Exposure limits of 1 mW/cm² over six minutes about to be imposed on us VHFers by the FCC (controlled environment—see August 1996 bulletin), I thought our readers might be interested in the following article from page 31 of April 1997 *Popular Science*, which I am reprinting below verbatim and in its entirety.

Microwaves for You

MICROWAVES MAY BE great at warming up leftovers, but what about warming people?

Using microwaves to directly heat occupants of a room would allow significant lowering of a home's thermostat, saving much of the energy wasted by heating walls and furnishings. And despite popular notions about microwaves, this technique would be safe, according to Charles R. Buffler of the Microwave Research Center in Marlborough, New Hampshire. Low-power microwaves barely penetrate the skin (low-power microwave penetration in a ham is approximately 0.2 inches, for example) and with no adverse effects.

To test the concept, Buffler and a colleague subjected themselves to microwaves in a special room using a standard 500-watt, 2,450 MHz magnetron. They recorded measurements correlating microwave exposure to the response time for the subjective feeling of warmth. They found that a person will start to feel warmth at about 20 milliwatts per square centimeter (mw./sq.cm.); a satisfactory sensation of warmth occurs between 35 and 50 mw./sq.cm. By comparison, a person standing in noonday summer sun feels the equivalent of 85 mw./sq.cm. And a frozen burrito in your microwave oven receives about 1,000 mw./sq.cm.

In houses of the future, each room could be equipped with its own magnetron, says Buffler. When you stepped into the living room, for example, a motion detector would activate the magnetron, filling the room with low-power radiation. In the same way that a microwave oven heats up a hamburger, but not the plate it's on, you would feel warmth from the radiation without changing the temperature of your coffee table. (You could, however, make your favorite easy chair even more comfy by treating it with a radiation-absorbing chemical.)

While it might be some time before homeowners are comfortable enough with the idea to install whole-body microwave heaters in houses, Buffler says microwaves may appeal to livestock farmers. Lambs that are born outdoors in winter, for example, are frequently lost to hypothermia. Microwaves could warm the lambs safely and quickly.

—Richard Babyak



Peter, PY5CC, and Jimmy, W6JKV, outside Jimmy's Los Altos Hills CA Shack.